

INTERNATIONAL SEARCH REPORT

 Internati .pplication No
 PCT/IB2004/051100

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B7/007 G11B7/24		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G11B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, INSPEC, COMPENDEX, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 067 535 A (PIONEER CORP) 10 January 2001 (2001-01-10) the whole document	1-3,7-9, 11
P,L, X	WO 03/083845 A (KONINKL PHILIPS ELECTRONICS NV ; MARTENS HUBERTUS C F (NL)) 9 October 2003 (2003-10-09) page 4, line 5 - page 9, line 31; figures 2-6B	1-6,10, 11
P,L, X	WO 03/060894 A (TIEKE BENNO ; KONINKL PHILIPS ELECTRONICS NV (NL); MARTENS HUBERT C F) 24 July 2003 (2003-07-24) page 4, line 29 - page 10, line 25; figures 2,3	1-3,10, 11
	----- -/--	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 26 October 2004		Date of mailing of the international search report 03/11/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Hermann, R

INTERNATIONAL SEARCH REPORT

Internat~~ional~~ Application No
PCT/IB2004/051100

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08, 30 June 1999 (1999-06-30) -& JP 11 066622 A (TAIYO YUDEN CO LTD), 9 March 1999 (1999-03-09) abstract	1-10
A	US 6 028 836 A (AOI TOSHIKI ET AL) 22 February 2000 (2000-02-22) the whole document	1-10
A	US 5 213 859 A (AOI TOSHIKI ET AL) 25 May 1993 (1993-05-25) the whole document	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051100

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1067535	A	10-01-2001	JP	2001023237 A	26-01-2001
			EP	1067535 A2	10-01-2001
WO 03083845	A	09-10-2003	CA	2473550 A1	24-07-2003
			WO	03060894 A1	24-07-2003
			WO	03083845 A1	09-10-2003
WO 03060894	A	24-07-2003	CA	2473550 A1	24-07-2003
			WO	03060894 A1	24-07-2003
			WO	03060895 A1	24-07-2003
			WO	03083845 A1	09-10-2003
JP 11066622	A	09-03-1999	NONE		
US 6028836	A	22-02-2000	JP	11195242 A	21-07-1999
US 5213859	A	25-05-1993	JP	2739614 B2	15-04-1998
			JP	4370541 A	22-12-1992
			JP	5046995 A	26-02-1993